BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Schedule - B

BBMP/2021-22/OW/WORK_INDENT47382

NAME OF WORK:Construction CC drain and other development works at 6th cross construction of road footpath and Bagalagunte 9th 10 cross roads. drilling of Borewells and pipelines at selected area and Construction and repairs UGD in Bagalagunte ward no 14 in Dasarahalli Assembly constituency

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Shri, B M Kiran	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.	Cum	51.55	423.0	Rupees Four Hundred Twenty Three Only
2	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	2395.78	246.0	Rupees Two Hundred Forty Six Only
3	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (Issue Rate on 01.02.2021)	Cum	382.97	5936.0	Rupees Five Thousand Nine Hundred Thirty Six Only

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Sl No	Description of work	Unit	Qty	Rates Quoted by Cont... Shri, B M Kiran	
				In Figures (Rs.)	In Words (Rs.)
4	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. (Issue Rate on 01.02.2021)	Tonne	50.20	57107.0	Rupees Fifty Seven Thousand One Hundred Seven Only
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.- do- Wall & bottom thickness 15cm As Direction of engineer - in - charge. (Issue Rate on 01.02.2021)	Cum	902.97	7757.0	Rupees Seven Thousand Seven Hundred Fifty Seven Only
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate)	Sqm	2278.02	1951.0	Rupees One Thousand Nine Hundred Fifty One Only
7	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate)	Sqm	67.20	4815.0	Rupees Four Thousand Eight Hundred Fifteen Only
8	Ms gratings 260 mmx 260 mm	Sqm	197.00	89.0	Rupees Eighty Nine Only

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				In Figures (Rs.)	In Words (Rs.)
9	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(RWS SR 2019-20 It.13.04, P-148)(RWS SR 20-05-2019 It.13.04)	Each	1.00	3938.0	Rupees Three Thousand Nine Hundred Thirty Eight Only
10	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 0 to 50 m	Rmt	50.00	363.0	Rupees Three Hundred Sixty Three Only
11	50 to 100 m	Rmt	50.00	462.0	Rupees Four Hundred Sixty Two Only
12	100 to 150 m	Rmt	50.00	477.0	Rupees Four Hundred Seventy Seven Only
13	150 to 200 m	Rmt	50.00	560.0	Rupees Five Hundred Sixty Only
14	200 to 250 m	Rmt	50.00	663.0	Rupees Six Hundred Sixty Three Only

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				In Figures (Rs.)	In Words (Rs.)
15	250 to 300 m	Rmt	50.00	732.0	Rupees Seven Hundred Thirty Two Only
16	300 to 350 m	Rmt	50.00	862.0	Rupees Eight Hundred Sixty Two Only
17	Providing and fixing 250mm dia PVC (casing pipe)	Rmt	3.00	2302.0	Rupees Two Thousand Three Hundred Two Only
18	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 4270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty.	Rmt	20.00	1385.0	Rupees One Thousand Three Hundred Eighty Five Only
19	Providing 175mm Dia M.S. Collar	No	3.33	157.0	Rupees One Hundred Fifty Seven Only
20	Providing 175mm dia Bore Cap CE (M)	No	1.00	105.0	Rupees One Hundred Five Only
21	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 15.00 HP/11 KW (35 stage)	No	1.00	70772.0	Rupees Seventy Thousand Seven Hundred Seventy Two Only
22	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications.	Rmt	340.00	430.0	Rupees Four Hundred Thirty Only

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				In Figures (Rs.)	In Words (Rs.)
23	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX6.0 sq.mm	Rmt	690.00	214.0	Rupees Two Hundred Fourteen Only
24	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.	No	1.00	1406.0	Rupees One Thousand Four Hundred Six Only
25	Spplying and fixing 50mm GI Union.	No	1.00	234.0	Rupees Two Hundred Thirty Four Only
26	Spplying and fixing 50mm GI Elbow.	No	1.00	117.0	Rupees One Hundred Seventeen Only
27	Spplying and fixing 50mm GI Nipple	No	1.00	109.0	Rupees One Hundred Nine Only
28	Supply and delivery of galvanized mild steel tubes heavy class (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) 50mm	No	57.00	652.0	Rupees Six Hundred Fifty Two Only
29	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,	Each	1.00	305.0	Rupees Three Hundred Five Only
30	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps	Each	1.00	1416.0	Rupees One Thousand Four Hundred Sixteen Only

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				In Figures (Rs.)	In Words (Rs.)
31	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps	Each	1.00	1881.0	Rupees One Thousand Eight Hundred Eighty One Only
32	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC	Each	1.00	449.0	Rupees Four Hundred Forty Nine Only
33	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto Above 12.5 HP upto 25 HP	Each	1.00	8360.0	Rupees Eight Thousand Three Hundred Sixty Only
34	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.	Each	1.00	779.0	Rupees Seven Hundred Seventy Nine Only
35	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm	Mtrs	20.00	47.0	Rupees Forty Seven Only
36	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.	KVAR	18.00	418.0	Rupees Four Hundred Eighteen Only
37	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia	No	1.00	3135.0	Rupees Three Thousand One Hundred Thirty Five Only
38	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete) hard soil	Mtrs	8.00	107.0	Rupees One Hundred Seven Only

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Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Shri, B M Kiran	
				In Figures (Rs.)	In Words (Rs.)
39	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	10.00	157.0	Rupees One Hundred Fifty Seven Only
40	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm	Mtrs	25.00	12.0	Rupees Twelve Only
41	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm	Rmt	2.00	350.0	Rupees Three Hundred Fifty Only
42	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.	Rmt	1.00	282.0	Rupees Two Hundred Eighty Two Only
43	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps	Each	3.00	237.0	Rupees Two Hundred Thirty Seven Only
44	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, It-2.4)	Cum	18.00	597.0	Rupees Five Hundred Ninety Seven Only

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45	Providing and Installing at site work P.V.C Pipes Including cost of pipe and specials and Labour, including lowering into trenches, laying true to line level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe allround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., Complete, PVC pipes 63mmdia of 6kg/cm2 RWS SR Page NO.15,item NO.3.4.2	Mtr	50.00	162.0	Rupees One Hundred Sixty Two Only
46	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)	Mtr	100.00	143.0	Rupees One Hundred Forty Three Only
47	KSRB13-6.3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) nominal bore including cost of all materials, labour and HOM with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3KSRB13-6.3-6 - do - 65 mm dia nominal (KPWD SR 2018-19, P-94, It-13.38)	Each	4.00	2329.0	Rupees Two Thousand Three Hundred Twenty Nine Only
48	KSRB2.6. Providing and filling dust in foundation upto plinth (Data rate)	Cum	9.00	1377.0	Rupees One Thousand Three Hundred Seventy Seven Only
49	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.	Cum	841.05	88.0	Rupees Eighty Eight Only

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Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Shri, B M Kiran	
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50	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.	Sqm	1667.00	7.0	Rupees Seven Only
51	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	489.78	2091.0	Rupees Two Thousand Ninety One Only
52	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	1596.00	35.0	Rupees Thirty Five Only
53	Providing and applying tack coat using 80/100 grade bitumen(VG10) in boiler fitted with spray set distributor at the rate of 0.25 kg per sqm on the existing prepared bituminous surface cleaned with mechanical broom. (primed surface) complete as per specifications.	Sqm	1596.00	11.0	Rupees Eleven Only
54	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	79.80	7621.0	Rupees Seven Thousand Six Hundred Twenty One Only

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Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Shri, B M Kiran	
				In Figures (Rs.)	In Words (Rs.)
55	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision - do - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen	Cum	47.88	8831.0	Rupees Eight Thousand Eight Hundred Thirty One Only
56	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing -do- with -(with OPC at 320 kg/cum and GGBS 40	Cum	737.05	5801.0	Rupees Five Thousand Eigh Hundred One O

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